

Inline function terminal - IB IL INC-IN-PAC - 2861755

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Inline measurement terminal for position encoder, complete with accessories (connector and labeling field), 1 input for incremental encoder with rectangular signal (symmetrical or asymmetrical), 3 digital inputs 24 V DC, 3-conductor connection system

Product Features

- Open circuit detection
- 5 V and 24 V sensor/encoder supply
- 3 digital inputs to connect two limit switches and one home position switch
- 25-bit actual position value
- Single, double or quadruple evaluation
- Symmetrical and asymmetrical incremental encoders with or without Z trace can be connected
- Maximum input frequency of 300 kHz
- Direction of rotation indicator via LED
- 5 homing functions



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	193.2 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	24.4 mm
Height	140.5 mm

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Technical data

Dimensions

Depth	71.5 mm
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Interfaces

Interface	Inline local bus
Connection method	Inline data jumper

Power supply

Typical current consumption	70 mA
I/O voltage	24 V AC (via voltage jumper)
Encoder supply voltage	5 V DC
	24 V DC
Encoder supply current	max. 250 mA
Drawing encoder supply voltage	Main circuit U_M

Electrical isolation

Test section	7.5 V supply (bus logics), I/O 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics), functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.

Incremental encoder input

Number of inputs	1
Input frequency (24 V)	0 Hz ... 300 kHz
Input frequency (5 V)	0 kHz ... 300 kHz
Encoder signals	Symmetrical and asymmetrical encoders

Inputs

Number of inputs	3
Connection method	3-conductor

General

Weight	143 g
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Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	max. 70 mA
Current consumption from U_M	max. 1 A
	typ. 340 mA

Standards and Regulations

Test section	7.5 V supply (bus logics), I/O 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics), functional earth ground 500 V AC 50 Hz 1 min.

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Technical data

Standards and Regulations

	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
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Classifications

eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250304
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

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Approvals

Approvals submitted

Approval details

UL Listed

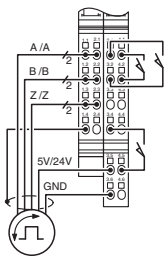
cUL Listed

EAC

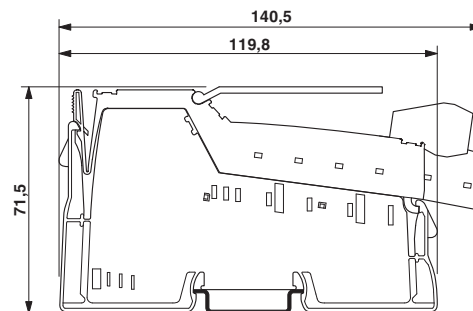
cULus Listed

Drawings

Connection diagram



Dimensional drawing



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Block diagram

